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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application Number | | N/A |
| | | | | Filing Date | | September 17, 2003 |
| | | | | First Named Inventor | | David M. Skinlo |
| | | | | Art Unit | | N/A |
| | | | | Examiner Name | | N/A |
| | | | | Attorney Docket number | | Q137-US6 |
| Sheet | 1 | of | 2 | | | |

US PATENT DOCUMENTS

| Examiner Initials | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|----------------------|---------------------|--------------------------------|---|
| | Number - Kind Code | | |
| DHF | US-701,917 | 06-10-1902 | Morrison |
| | US-2,463,565 | 03-08-1949 | Ruben |
| | US-2,562,215 | 07-31-1951 | Ruben |
| | US-3,245,837 | 04-12-1966 | Ikeda et al. |
| | US-3,373,060 | 03-12-1968 | Gray |
| | US-3,510,353 | 05-05-1970 | McHenry |
| | US-3,775,182 | 11-27-1973 | Patton et al. |
| | US-4,052,537 | 10-04-1977 | Mallory |
| | US-4,053,687 | 10-11-1977 | Coibion et al. |
| | US-4,053,692 | 10-11-1977 | Dey |
| | US-4,105,833 | 08-08-1978 | Greatbatch et al. |
| | US-4,226,920 | 10-07-1980 | Armstrong |
| | US-4,259,416 | 03-31-1981 | Ikeda et al. |
| | US-4,476,624 | 10-16-1984 | Klein et al. |
| | US-4,767,682 | 08-30-1988 | Dorogi et al. |
| | US-4,802,275 | 02-07-1989 | Freluche |
| | US-4,822,377 | 04-18-1989 | Wolff |
| | US-4,879,190 | 11-07-1989 | Lundsgaard |
| | US-4,942,101 | 07-17-1990 | Audebert et al. |
| | US-4,966,822 | 10-30-1990 | Johnston |
| | US-5,021,306 | 06-04-1991 | Sauer et al. |
| | US-5,008,161 | 04-16-1991 | Johnston |
| | US-5,047,068 | 09-10-1991 | Stoklosa |
| | US-5,116,698 | 05-26-1992 | Sears |
| | US-5,306,581 | 04-26-1994 | Taylor et al. |
| | US-5,422,201 | 06-06-1995 | Georgopoulos |
| | US-5,571,632 | 11-05-1996 | Teramoto |
| | US-5,597,658 | 01-28-1997 | Kejha |
| | US-5,667,912 | 09-16-1997 | Georgopoulos |
| | US-5,736,270 | 04-07-1998 | Suzuki et al. |
| | US-5,821,011 | 10-13-1998 | Taylor et al. |
| | US-5,912,089 | 06-15-1999 | Kitano et al. |
| | US-5,925,482 | 07-20-1999 | Yamashita |
| | US-6,007,938 | 12-28-1999 | Blancheton |
| | US-6,020,084 | 02-01-2000 | Romero et al. |
| | US-6,033,795 | 03-07-2000 | Brousseley et al. |
| | US-6,090,503 | 07-18-2000 | Taylor et al. |
| | US-6,114,059 | 09-05-2000 | Watanabe et al. |
| | US-6,132,898 | 10-17-2000 | Kawamura |
| | US-6,308,101 B1 | 10-23-2001 | Faltys et al. |
| | US-2001/00490544 A1 | 12-06-2001 | Enomoto et al. |
| | US-6,379,839 B1 | 04-30-2002 | Inoue et al. |
| | US-6,379,403 B1 | 04-30-2002 | Fukumura et al. |
| | US-6,387,561 B1 | 05-14-2002 | Nemoto et al. |
| | US-6,432,574 B1 | 08-13-2002 | Suzuki et al. |
| | US-2003/0022062 A1 | 01-30-2003 | Wutz et al. |

| | | | |
|-----------------------|---|--------------------|---------|
| Examiner Signature |  | Date Considered | 2/28/07 |
|-----------------------|---|--------------------|---------|

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|--|---|----|---|------------------------|--|--------------------|
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FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | English Abstract | Machine Translation | Entire Document |
|-------------------|-------------------------|----------------|------|--------------------------------|---|------------------|---------------------|-----------------|
| | Office | Number | Kind | | | | | |
| Ony | JP | 58-030073 | A2 | 02-22-1983 | Matsushita Electric Ind. Co. Ltd. | | | |
| Ony | JP | 200034875 4 | A2 | 12-15-2000 | Toyota Central Res & Dev Lab Inc. | | | |
| Ony | CA | 480,611 | | 01-29-1952 | Ruben | | | |
| Ony | JP | 59-042783 | A | 03-09-1984 | Hitachi Maxell Ltd. | | | |
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OTHER DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published |
|-------------------|--|
| Ony | Factory completed from 3E Labs web page; www.3elabs.com/pages/ft_c2.html ; 1 page. |
| Ony | Three E Laboratories Inc. homepage; www.3elabs.com ; 2 pages |
| Ony | Swage Crimp by 3E Labs; Hemacrimp seal terminals and feed throughs; www.3elabs.com/pages/ft_c.html ; 2 pages |
| Ony | Copy of Japanese packaging from National for Battery, BR425/2B; 2 pages |
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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
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| | | | | Art Unit | 1745 |
| Examiner Name | N/A | | | | |
| Attorney Docket number | Q137-US6 | | | | |
| Sheet | 1 | of | 4 | | |

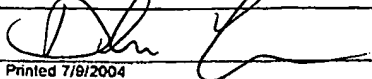
US PATENT DOCUMENTS

| Examiner Initials | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|----------------------|--------------------|--------------------------------|---|
| | Number - Kind Code | | |

| | | | |
|----|--------------|------------|--------------------------|
| DN | US-3,536,532 | 10-27-1970 | Nobuatsu Watanabe et al. |
| | US-3,700,502 | 10-24-1972 | Nobuatsu Watanabe et al. |
| | US-4,009,056 | 02-22-1977 | Megahed et al. |
| | US-4,056,885 | 11-08-1977 | Rao |
| | US-4,091,188 | 05-23-1978 | Dey |
| | US-4,121,020 | 10-17-1978 | Epstein et al. |
| | US-4,247,608 | 01-27-1981 | Watanabe et al. |
| | US-4,268,587 | 05-19-1981 | Farrington et al. |
| | US-4,271,242 | 06-02-1981 | Toyoguchi et al. |
| | US-4,352,867 | 10-05-1982 | Catanzarite |
| | US-4,385,101 | 05-24-1983 | Catanzarite |
| | US-4,386,137 | 05-31-1983 | Watanabe et al. |
| | US-4,391,729 | 07-05-1983 | Liang et al. |
| | US-4,502,903 | 03-05-1985 | Bruder |
| | US-4,539,272 | 09-03-1985 | Boegel |
| | US-4,539,274 | 09-03-1985 | Goebel |
| | US-4,565,752 | 01-21-1986 | Goebel et al. |
| | US-4,565,753 | 01-21-1986 | Goebel et al. |
| | US-4,604,333 | 08-05-1986 | Ikeda et al. |
| | US-4,929,519 | 05-29-1990 | Catotti |
| | US-5,008,165 | 04-16-1991 | Schmöde |
| | US-5,017,442 | 05-21-1991 | Watanabe et al. |
| | US-5,114,811 | 05-19-1992 | Ebel et al. |
| | US-5,147,747 | 09-15-1992 | Post et al. |
| | US-5,344,724 | 09-08-1994 | Ozaki et al. |
| | US-5,360,678 | 11-01-1994 | Spillman et al. |
| | US-5,423,110 | 06-13-1995 | Gauthier et al. |
| | US-5,514,492 | 05-07-1996 | Marincic et al. |
| | US-5,543,249 | 08-06-1996 | Takeuchi et al. |
| | US-5,558,962 | 09-24-1996 | Marincic et al. |
| | US-5,584,893 | 12-17-1996 | Mitchell |
| | US-5,795,680 | 08-18-1998 | Ikeda et al. |
| | US-5,804,327 | 09-08-1998 | Oltman |
| | US-5,891,593 | 04-06-1999 | Keller et al. |
| | US-5,900,720 | 05-04-1999 | Kailman et al. |
| | US-5,948,563 | 09-07-1999 | Kawase et al. |
| | US-5,95,291 | 10-12-1999 | Pyszczed |
| | US-5,989,751 | 11-23-1999 | Cotte et al. |
| | US-6,030,422 | 02-29-2000 | PyszczeK |
| | US-6,042,957 | 03-28-2000 | Oltman |
| | US-6,057,060 | 05-02-2000 | Yu |
| DN | US-6,165,641 | 12-26-2000 | Striabel et al. |

| | | | |
|----------------------------------|--------------------|--------------------|---------|
| Examiner Signature | <i>[Signature]</i> | Date Considered | 2/28/07 |
| Corrected Copy, Printed 7/9/2004 | | | |

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|---|--------------------|------------|------------------|---------------------------------|--------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/665,687 |
| | | | | Filing Date | September 17, 2003 |
| | | | | First Named Inventor | SKINLO, David M. |
| | | | | Art Unit | 1745 |
| | | | | Examiner Name | N/A |
| Sheet | 2 | of | 4 | Attorney Docket number Q137-US6 | |
| ① | US-6,180,285 B1 | 01-30-2001 | Yoshida et al. | | |
| | US-6,190,803 | 02-20-2001 | Tomiyama et al. | | |
| | US-6,225,007 | 05-01-2001 | Horne et al. | | |
| | US-6,225,007 B1 | 05-01-2001 | Horne et al. | | |
| | US-6,228,536 | 05-08-2001 | Wasynczuk | | |
| | US-6,242,129 B1 | 06-05-2001 | Johnson | | |
| | US-6,245,452 B1 | 06-12-2001 | Oltman | | |
| | US-6,265,099 B1 | 07-24-2001 | Gauthier et al. | | |
| | US-2001/0031398 A1 | 10-18-2001 | Hashimoto et al. | | |
| | US-2001/0033972 A1 | 10-25-2001 | Kawai et al. | | |
| | US-6,319,627 B1 | 11-20-2001 | Snyder et al. | | |
| | US-2001/0044047 A1 | 11-22-2001 | Gan et al. | | |
| | US-2002/0004161 A1 | 01-10-2002 | Yamaguchi | | |
| | US-6,348,282 B1 | 02-19-2002 | Okochi et al. | | |
| | US-2002-0076605 A1 | 06-20-2002 | Akashi et al. | | |
| | US-6,410,187 B1 | 06-25-2002 | Luo et al. | | |
| | US-6,410,180 B1 | 06-25-2002 | Yamada et al. | | |
| | US-6,458,490 B1 | 10-01-2002 | Hommura et al. | | |
| | US-2002/0146626 A1 | 10-10-2002 | Komatsu et al. | | |
| | US-2002/0187399 A1 | 12-12-2002 | Johnson et al. | | |
| | US-6,503,646 B1 | 01-07-2003 | Ghantous et al. | | |
| | US-6,503,657 B1 | 01-07-2003 | Takami et al. | | |
| | US-6,506,514 B1 | 01-14-2003 | Endo et al. | | |
| | US-2003/0089889 A1 | 02-27-2003 | Park et al. | | |
| | US-2003/0104282 A1 | 06-05-2003 | Xing et al. | | |
| | US-6,576,365 B1 | 06-10-2003 | Mellav et al. | | |
| | US-2003/0113628 A1 | 06-19-2003 | Paulot et al. | | |
| | US-2003/0134191 A1 | 07-17-2003 | Buckle et al. | | |
| | US-2003/138697 A1 | 07-24-2003 | Leising et al. | | |
| | US-2003/0198868 A1 | 10-23-2003 | Takeuchi et al. | | |
| | US-6,641,953 B2 | 11-03-2003 | Takeuchi et al. | | |
| | US-6,667-132 B2 | 12-23-2003 | Okochi et al. | | |
| | US-2004/029005 A1 | 02-12-2004 | Leising et al. | | |
| | US-2004/0048148 A1 | 03-11-2004 | Skinlo | | |
| | US-2004/0053115 A1 | 03-18-2004 | Skinlo | | |
| | US-2004/0053119 A1 | 03-18-2004 | Tsukamoto et al. | | |
| | US-2004/0053118 A1 | 03-18-2004 | Tsukamoto et al. | | |
| | US-2004/0053117 A1 | 03-18-2004 | Tsukamoto et al. | | |
| | US-2004/0049908 A1 | 03-18-2004 | Tsukamoto et al. | | |
| | US-2004/0055146 A1 | 03-25-2004 | Tsukamoto et al. | | |
| | US-2004/0058236 A1 | 03-25-2004 | Tsukamoto et al. | | |

| | | | |
|----------------------------------|---|-----------------|---------|
| Examiner Signature |  | Date Considered | 2/28/07 |
| Corrected Copy, Printed 7/9/2004 | | | |

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| Examiner Name | N/A | | | | |
| Sheet | 3 | of | 4 | Attorney Docket number | Q137-US6 |

FOREIGN PATENT DOCUMENTS






| Examiner Initials | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | English Abstract | Machine Translation | Entire Document |
|-------------------|-------------------------|------------|------|--------------------------------|---|------------------|---------------------|-----------------|
| | Office | Number | Kind | | | | | |
| Df | JP | 01151150 | A | 06-13-1989 | Matsushita Electric Ind. Co. Ltd. | X | | X |
| | JP | 3046772 | A2 | 02-28-1991 | Ignacio et al. | | | |
| | JP | 03-093156 | A2 | 04-18-1991 | Kiyoshi et al. | ✓ | | |
| | JP | 3222257 | A2 | 10-01-1991 | Toru et al. | ✓ | | |
| | JP | 4206366 | A2 | 07-28-1992 | Kenji et al. | ✓ | | |
| | JP | 7249403 | A2 | 09-26-1995 | Hiroyoshi | ✓ | | |
| | JP | 9330707 | A2 | 12-22-1997 | Kouji | ✓ | | |
| | JP | 10289708 | A2 | 10-27-1998 | Tetsuya et al. | ✓ | | |
| | JP | 11260372 | A2 | 09-24-1999 | Sanehiro et al. | ✓ | | |
| | JP | 11-329444 | | 11-30-1999 | Shin Kobe Electric Mach Co Ltd | X | X | X |
| | JP | 2000036324 | A | 09-02-2000 | Minako et al. | | | |
| | EP | 0942484 | B1 | 05-16-2001 | Yamaguchi | | | |
| | WO | 02/078113 | A1 | 10-03-2002 | Shibamoto et al. | | | |
| | EP | 01296389 | A1 | 03-26-2003 | Wilson Greatbatch Technologies, Inc. | | | X |
| | WO | 03-061038 | A1 | 07-24-2003 | Quallion LLC | X | | X |
| Df | WO | 03-061051 | A1 | 07-24-2003 | Quallion LLC | | | |
| | EP | 01331683 | A2 | 07-30-2003 | Wilson Greatbatch Technologies, Inc. | | | X |
| | WO | 03/096446 | A1 | 11-20-2003 | Hitachi Maxell Ltd. | X | | X |
| | EP | 1388905 | A2 | 02-11-2004 | Wilson Greatbatch Technologies, Inc. | | | X |

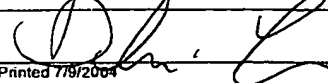
OTHER DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published |
|-------------------|---|
| Df | A. RAWLE, "Basic Principles of Particle Size Analysis," Malvern Instruments Limited, downloaded from http://www.malvern.co.uk/malvern/nw_malvern.nsf/vwa_dccref/IWTM%20particle%20size , no date. |
| Df | Table 14.4 Cathode Materials Used in Lithium Primary Batteries |
| Df | Unpublished International Application PCT/US03/21343, Applicant Quallion LLC, Inventors Lam et al., International Filing Date 09 July 2003. |
| Df | Preliminary Amendment filed in USSN 10/666,873, Tsukamoto et al., filing date September 17, 2003. |

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| Examiner Signature | | Date Considered | 2/28/07 |
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| Sheet | 4 | of | 4 | Attorney Docket number Q137-US6 | |
|  | International Preliminary Examination Report, dated 30 October 2003, received in relation to Application No. PCT/US03/01334. | | | | |
|  | Preliminary Amendment filed in USSN 10/478,920, Lam et al., filing date November 19, 2003. | | | | |
|  | Preliminary Amendment filed in USSN 10/478,706, Nakahara et al., filing date November 19, 2003. | | | | |
|  | Preliminary Amendment filed in USSN 10/484,474, Tsukamoto et al., filing date January 20, 2004. | | | | |
|  | International Search Report, dated 01 Mar 2004, received in relation to Application No. PCT/US03/21343 | | | | |

| | | | |
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| Examiner Signature |  | Date Considered | 2/2 8/07 |
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| Sheet | 1 | of | 1 | Attorney Docket number | Q137-US6 |

US PATENT DOCUMENTS

| Examiner Initials | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|----------------------|--------------------|--|--------------------------------|---|
| | Number - Kind Code | | | |
| | US-3,373,060 | | 03-12-1968 | GRAY |
| | US | | | |
| | US | | | |
| | US | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | English Abstract | Machine Translation | Entire Document |
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OTHER DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume+issue number(s), publisher, cite and/or country where published |
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